

Title (en)
POWER CONVERSION DEVICE

Title (de)
STROMWANDLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE CONVERSION DE PUISSANCE

Publication
EP 3370255 A1 20180905 (EN)

Application
EP 15907234 A 20151028

Priority
JP 2015080322 W 20151028

Abstract (en)
In a power converting device (1), an anode lead plate (8) and a cathode lead plate (9) are disposed opposed in an interior of an insulating plate (3), whereby the respective current directions are opposed and a magnetic field is negated, because of which inductance is reduced. Also, as external connection terminals (13), which are end portions of the anode lead plate (8) and the cathode lead plate (9), pass through the interior of the insulating plate (3) and are disposed in another space of the case (2) from a lower portion of the insulating plate (3), the wiring distance between a capacitor element (4) and a power semiconductor module (16) is short, and inductance can be reduced.

IPC 8 full level
H01L 25/07 (2006.01); **H01L 25/18** (2006.01); **H02M 1/44** (2007.01); **H02M 7/48** (2007.01)

CPC (source: EP US)
H01L 23/13 (2013.01 - US); **H01L 23/36** (2013.01 - US); **H01L 25/07** (2013.01 - US); **H01L 25/16** (2013.01 - US); **H01L 25/18** (2013.01 - US); **H02M 1/44** (2013.01 - US); **H02M 7/003** (2013.01 - EP US); **H02M 7/48** (2013.01 - US); **H05K 7/1432** (2013.01 - US); **H05K 7/14329** (2022.08 - EP); **H01L 23/367** (2013.01 - EP US); **H01L 23/427** (2013.01 - EP US); **H01L 23/473** (2013.01 - EP US); **H01L 2224/32225** (2013.01 - US); **H01L 2924/10272** (2013.01 - US); **H01L 2924/13091** (2013.01 - US); **H01L 2924/19041** (2013.01 - US); **H01L 2924/30107** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 10490469 B2 20191126; **US 2018174934 A1 20180621**; CN 108235785 A 20180629; CN 108235785 B 20210129; EP 3370255 A1 20180905; EP 3370255 A4 20190626; JP 6422592 B2 20181114; JP WO2017072870 A1 20180405; WO 2017072870 A1 20170504

DOCDB simple family (application)
US 201515737962 A 20151028; CN 201580083917 A 20151028; EP 15907234 A 20151028; JP 2015080322 W 20151028; JP 2017547244 A 20151028